

Nixe horrida* (A Mayfly)*Priority 3 Species of Greatest Conservation Need (SGCN)****Class:** *Insecta* (Insects)**Order:** *Ephemeroptera* (Mayflies)**Family:** *Heptageniidae* (Flatheaded Mayflies)**General comments:**

Known from 3 sites on 2 rivers (Naraguagus, Aroostook); only 1 other global EO (ON); G2G3; species is poorly known with no known habitat concerns or risk factors; inadequate survey effort and life history info

Species Conservation Range Maps for A Mayfly:Town Map: [Nixe horrida_Towns.pdf](#)Subwatershed Map: [Nixe horrida_HUC12.pdf](#)**SGCN Priority Ranking - Designation Criteria:****Risk of Extirpation: NA****State Special Concern or NMFS Species of Concern:***Nixe horrida* is listed as a species of Special Concern in Maine.**Recent Significant Declines: NA****Regional Endemic: NA****High Regional Conservation Priority:**

NatureServe:

Global Rank: G2

High Climate Change Vulnerability: NA**Understudied rare taxa:**

Recently documented or poorly surveyed rare species for which risk of extirpation is potentially high (e.g. few known occurrences) but insufficient data exist to conclusively assess distribution and status. *criteria only qualifies for Priority 3 level SGCN*

Notes:

Historical: NA**Culturally Significant: NA****Professional Discretion:**

Current criteria ranked *Nixe horrida* as SGCN priority 2, however, species should be SGCN priority 3 based on professional discretion.

Justification:

data deficient/inadequate survey effort

Habitats Assigned to A Mayfly:**Formation Name Boreal Upland Forest****Macrogroup Name Boreal Upland Forest****Habitat System Name:** Acadian Low Elevation Spruce-Fir-Hardwood Forest **Notes:** secondary (riparian only)**Habitat System Name:** Acadian Sub-boreal Spruce Flat **Notes:** secondary (riparian only)**Formation Name Freshwater Aquatic****Macrogroup Name Rivers and Streams****Habitat System Name:** Medium River ****Primary Habitat******Habitat System Name:** Rivers and Streams Macrogroup - Unknown habitat system **Notes:** range of primary aquatic system use unknown - only two occurrences

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No Stressors Currently Assigned to A Mayfly or other Priority 3 SGCN.

Species Level Conservation Actions Assigned to A Mayfly:

No Species Specific Conservation Actions Currently Assigned to A Mayfly or other Priority 3 SGCN.

Guild Level Conservation Actions:

This Species is currently not attributed to a guild.

Broad Taxonomic Group Conservation Actions:

Relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

Habitat Based Conservation Actions:

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing relevant conservation actions and associated SGCN.

The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.